

AMG-19
TSTCore Update

18 June 1997

Topics

- **Events Calendar**
- **Service/Joint Staff Transition Activities**
- **AMG Membership Expansion**
- **Supporting SW Development**
- **Security Update**
- **Federate Testing**
- **External Events**
- **HLA Education/Outreach**
- **International Cooperation on HLA**
- **External Standards Update**

Events Calendar

- 9-10 April 97 AMG-18
- 17 April 97 MORS HLA Tutorial
- 23 April 97 ITEC Europe
- 29 April 97 Fed. Management Tech. Exchange
- 6 May 97 OMDT Users Group Meeting
- 7 May 97 OM Tech Exchange
- 14 May 97 TM Tech Exchange
- 22-23 May 97 Industry Days
- 5 June 97 1.2 Spec Update Tech Exchange
- 9-11 June 97 MORS Annual Meeting, HLA Tutorial
- 10 June 97 RTI Performance Tech Exchange
- 17 June 97 DDM Tech Exchange
- 18 June 97 AMG-19
- 13-17 July Summer Computer Simulation Conference
- 13-14 Aug 97 AMG-20
- 8-12 Sept 97 SIW, Orlando
- 8-9 Oct 97 AMG-21
- 1-5 Dec 97 I/ITSEC, Orlando
- 8-12 Dec 97 Winter Computer Simulation Conference

Schedule of Tech Exchanges

- 11 July Time Management
- 16 July Object Model Tool Users' Meeting
- 23 July Fed Management
- 24 July RTI Performance
- 12 August Data Distribution Management

Service/Joint Staff Transition Activities

- **Continuing discussions sharing Service and Joint Staff implementation actions**
- **Similar sessions have been held with other DoD agencies (NRO, DIA, BMDO, DSWA)**
- **At Service and agency request, DMSO has continued to support HLA technical interchange meetings**
- **Components are working toward June report to USD(A&T)**
 - **Plans for all Services and Joint Staff are in coordination**
 - **Common reporting format**

New AMG Members

- **New AMG member programs**
 - **Mr. Bill Wilborn (Mobility Analysis Support System (MASS))**
 - **Mr. Jeffrey Wallace (JSIMS-Maritime)**
 - **Dr. Nancy Bucher (Computer Aided Modeling and Equipment Evaluation (CAMELEON))**
 - **Mr. Kent Pickett (Joint Virtual Laboratory (JVL))**
- **New AMG representatives**
 - **CDR Chuck Ormson (Naval Simulation System (NSS))**
 - **Mr. Richard Esslinger (Battle Force Tactical Training (BFTT))**

AMG Membership Expansion

- **DMSO will adjust AMG membership based on following prerequisites**
 - **Nominated by a DoD Component M&S Management Office**
 - **Programs currently involved in actual development of an HLA-compliant simulation, or modifying a simulation to make it HLA-compliant**
 - **Folks with dirty hands, not oversight offices**
 - **Government employee as the representative; contractors still involved but can't vote**
 - **Self-funded**

AMG Representatives

Name

CAPT Jim Hollenbach
Mr. Dell Lunceford
CAPT Drew Beasley
Ms. Annette Ratzenberger
Mr. Richard Esslinger
CDR Chuck Ormson
Mr. Tim Rudolph
CAPT Bob Jacobs
Mr. Gary Jones
COL Al Hammond
Dr. Jim Metzger
LtCol Mike Cappelano
Mr. Rich Pace
Mr. Francis Cline
MAJ James Knowles
COL Michael Rogers
Maj Darrell Wright
LTC Chris O'Connor
Mr. Bill Wilborn
Mr. Jeffrey Wallace
Dr. Nancy Bucher
Mr. Kent Pickett

Representing

Defense Modeling and Simulation Office
Synthetic Theater of War
Joint Simulation System
Warrior Simulation for the Year 2000
Battle Force Tactical Trainer
Naval Simulation System
National Air and Space [Warfare] Model
Joint Tactical Combat Training System
Simulation Based Design
Close Combat Tactical Trainer
Joint Warfare System
Joint Modeling and Simulation System
Test & Evaluation/Electronic Warfare
Integrated Air Defense Simulation
Leading Edge Services/Global Command and Control System
Battlefield Distributed Simulation-Developmental
Joint Test & Evaluation Joint Test Facility
Joint National Test Facility
Mobility Analysis Support System (MASS)
Joint Simulation System - Maritime Component
Computer Aided Modeling and Equipment Evaluation (CAMELEON)
Joint Virtual Laboratory (JVL)

Supporting SW Development

- **Development of supporting software is on track**
 - **Includes**
 - ◆ **Runtime infrastructure (RTI) and**
 - ◆ **Object model support tools including**
 - **Object Model Development Tool (OMDT) and**
 - **Object Model Library (OML)**
 - **Reports on these are included in the AMG-19 agenda under RTI and Object Model Update presentations**
- **Release process on the RTI software has been streamlined**
 - **All releases (US, Foreign, government and non-government) are handled uniformly via the homepage release process**

Time Management Update

- **14 May -- TM Technical Exchange**
- **Recommended additional TM services in 1.2 Update**
 - adding IFSpec services to “turn on” and “off” time management services
 - updates to current functionality
 - allowing federates to declare a lookahead value of zero
 - result of ongoing issue discussion
 - services were implemented in the RTI 1.0 SW and tested by Jack Ogren with Eagle
- **Open issue**
 - specifying the ordering of simultaneous events (events containing the same time stamp)
 - Wide Virtual Time Proposal under consideration; written proposal has been circulated to TM people for review
- **11 July -- Next TM Technical Exchange**

Security Update

- **One component of the HLA security effort has been to develop guidance on the Certification and Accreditation (C&A) Process for federations**
- **C&A process has been mapped to federation execution development process**
 - **Used DoD Information Technology Security C&A Process (DISTCAP) as framework**
 - **Draft DoDI**
- **Met with DISA DISTCAP program on May 29 to review HLA approach**
 - **Very positive response; plans for ongoing cooperation**

Test Update

- **The Test IPT met April 17 and 21 to refine the Test Process and Test Tools**
- **The first draft of the Test Process has been completed:**
 - **Conformance Guide**
 - **User Brief**
- **Work on Test Tools continue:**
 - **TurnKey System: Web-based application and management system started beta testing at ABTech June 11**
 - **Conformance Tools: Test data generation, collection, and analysis is semi-automated and supports v1.1 of the spec**
- **Test Victims are “testing” the process and tools:**
 - **NASM/AP started June 1**
 - **FMC starts July 1**
 - **NSS and CCTT reviewing test documentation**

External Events: MORS, SIW and OMG

- **MORS**
 - MORs meeting at Quantico 10-11 June; presented HLA tutorial 9 June
- **OMG**
 - met June 16, Montreal
 - meeting September 15, Dublin
- **SIW**
 - Next SIW 8-12 September, Orlando
 - Plans include day 1 education sessions and a series of papers reflecting HLA activities since the last SIW

HLA Help Desk

- **Established a specialized MSOSA cell for HLA in May**
- **Focal point for inquiries to DMSO on HLA**
- **hla@msis.dmsso.mil e-mail goes to the HLA cell**
 - **directly responds**
 - **general inquiries**
 - **refers**
 - **training requests**
 - **policy questions**
 - **RTI-specific technical questions**
 - **logs and tracks**
- **Increasing level of activity**

Help Desk Activity Report

Current Mo	<i>Closed on</i>	<i>Closed when</i>	<i>Open:</i>	Current Mo	<i>Closed:</i>	Cumulative	Cumulative	Foreign
# Calls	<i>Initial Reply</i>	<i>Forwarded</i>	<i>Pending Action</i>	Closed	<i>from Prev Mo</i>	# Calls	Closed	Requests
_____	_____	_____	_____	_____	_____	_____	_____	_____
6	2	1		3		7	4	1
1	1	0		1		8	7	
1		0	1	0		3	1	
6	0	2		2		10	5	1
0	0	0		0		0	0	
2	0	2		2	5	9	7	
2	0	1	1	1	1	4	3	
—	—	—	—	—	—	—	—	
18	3	6	2	9	6	41	27	2

HLA Education/Outreach

- **Integrated training/outreach program is underway**
 - Send requests for training to hla@msis.dmsso.mil
- **Modules have been identified; each module includes both briefing materials and associated written documentation**
- **Leads of technical activities responsible for creating/updating materials in their area of responsibility and for participating in training events as required (and available); AEgis training team members will also participate**
- **Next iteration of training materials delivered 16 June;**
 - New modules include Data Support for the HLA, Federate Testing, added RTI modules, DDM, Security, as well as updates in other areas
 - Updated and new modules will be added as technical work continues and requirements are identified
- **First phase followed a 'request-response approach'; plan to shift to offering regular regional training events beginning in late summer**
 - Increased demand for training

International Cooperation on HLA

- **ITEC Europe on 23 April; HLA panel and presentations**
- **Hands-on Training Session on HLA for Multi-National Working Group on Simulation Interoperability**
 - **29 June - 3 July at WPC in Einseidlerhof, Germany**
 - **Developers of NATO national wargame simulations**
- **NATO Steering Group on M&S Technical Seminar on HLA**
 - **July 7-10 at NC3A in The Hague**
 - **Technical presentations and demonstrations**

Standards Updates

- **IEEE SISO**

- Following AMG-18, draft HLA standards nomination was revised and submitted
- Accepted by interim SAC, Jack Kramer designated as the technical area director

- **DoD JTA**

- Modeling and Simulation inputs to JTA 2.0 were
 - ◆ posted
 - for AMG comment 7 April
 - for MSWG comment 17 April
 - ◆ reviewed in joint AMG/MSWG session 1 May
 - ◆ revised per comments received, reformatted as potential standalone Section as discussed in 1 May meeting, posted for comment by AMG/MSWG 9 May
 - ◆ comments closed 23 May, no comments received
 - ◆ submitted to JTADG 2 June
 - ◆ revised structure provides fuller view of M&S domain

Strawman JTA Structure

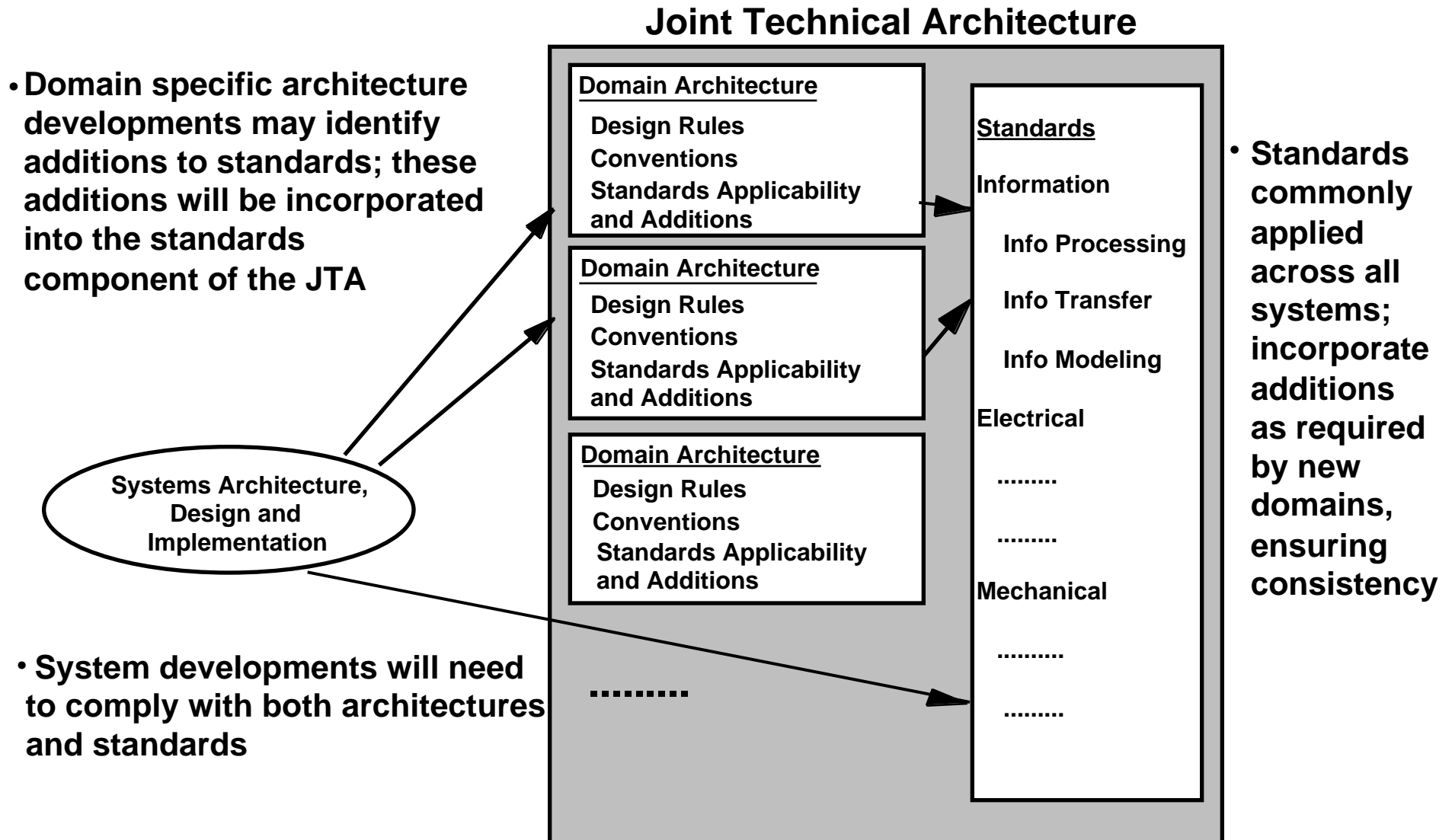
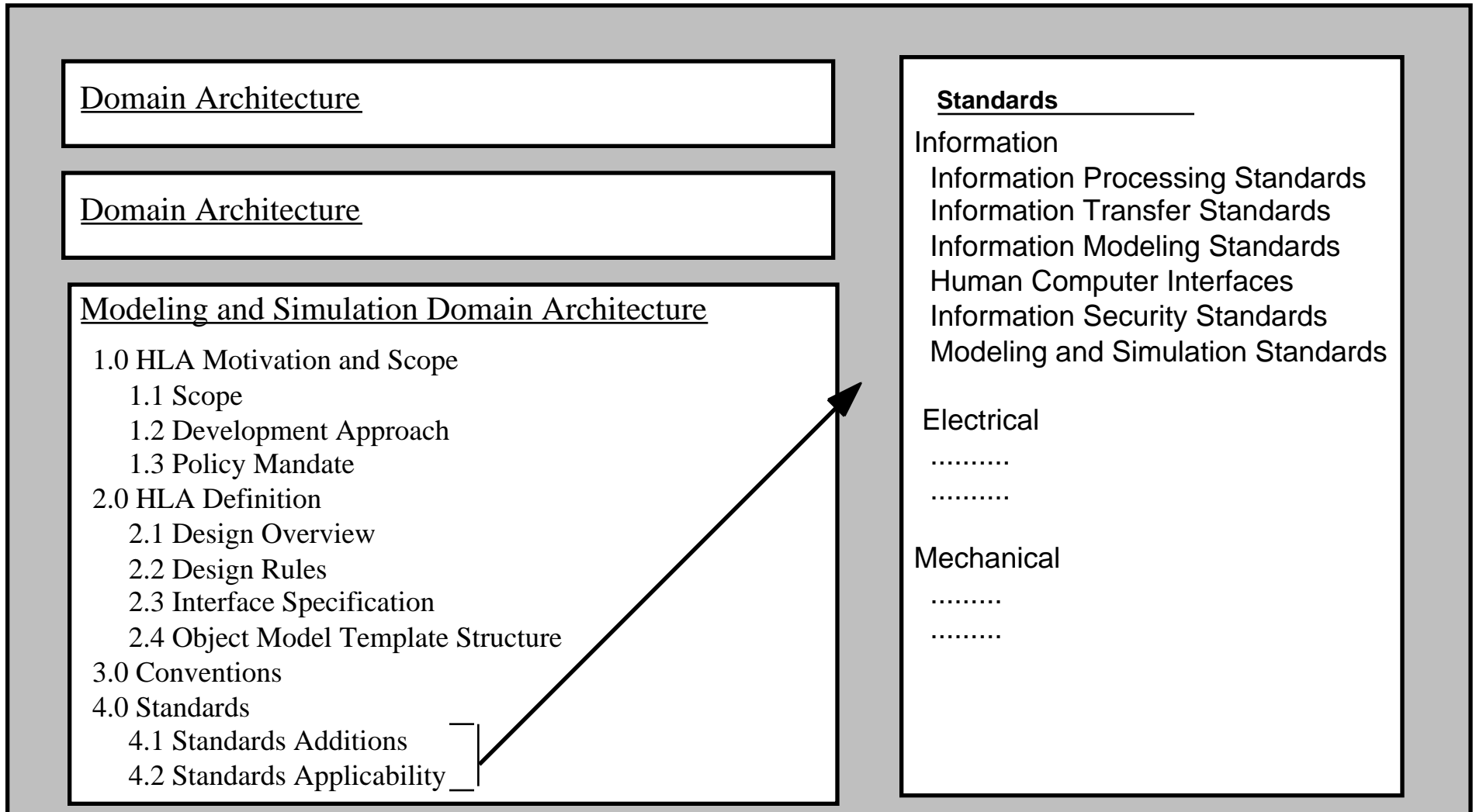


Illustration of M&S in the JTA Structure

Joint Technical Architecture



Home Page

- HLA home page has been reorganized to accommodate the new sets of materials and broader user community

<http://www.dmsso.mil/HLA>

Specific Topics include:

- General Information
 - HLA Policy and Compliance Testing
 - HLA Technical Specifications
 - Runtime Infrastructure (RTI)
 - Federation Development Processes and Tools
 - Data Support for the HLA
 - HLA Implementations
 - Architecture Management Group (AMG)
 - HLA Education and Training
 - HLA and External Standards
 - Published Papers
- **hla_online, hla@dmsso.mil**